

**INFORMATION DISCLOSURE STATEMENT**

Applicant : Geoffrey F. Deane et al.
App. No. : 10/681,487
Filed : October 7, 2003
For : PORTABLE GAS FRACTIONALIZATION
SYSTEM
Examiner : Unknown
Group Art Unit : 3761

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:


Enclosed is form PTO-1449 listing eighty-four (84) references. Copies of disclosed U.S. patents and/or publications are not included pursuant to PTO waiver of the requirement under 37 C.F.R. § 1.98(a)(2)(i) for applications filed after June 30, 2003. Copies of other references, if listed, are enclosed.

This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required in accordance with 37 C.F.R. § 1.97(b)(3). If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 5/27/2004

By: 
Linda H. Liu
Registration No. 51,240
Attorney of Record
Customer No. 20,995
(909) 781-9231

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
INOGN.006AAPPLICATION NO.
10/681,487INFORMATION DISCLOSURE STATEMENT
BY APPLICANTAPPLICANT
Geoffrey F. Deane et al.FILING DATE
October 7, 2003GROUP
3761

(USE SEVERAL SHEETS IF NECESSARY)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	2,944,627	07/12/60	C.W. Skarstrom			
	3,703,068	11/21/72	John L. Wagner			
	4,054,133	10/18/77	William P. Meyers			
	4,070,164	01/24/78	Miwa et al.			
	4,077,779	03/07/78	Sircar et al.			
	4,247,311	01/27/81	Seibert et al.			
	4,378,982	04/05/83	Norman R. McCombs			
	4,381,002	04/26/83	George Mon			
	4,449,990	05/22/84	Richard A. Tedford, Jr.			
	4,462,398	07/31/84	Durkan et al.			
	4,482,361	11/13/84	Michael Whysall			
	4,491,459	01/01/85	Charles J. Pinkerton			
	4,584,996	04/29/86	Alvin S. Blum			
	4,681,099	07/21/87	Sato et al.			
	4,686,974	08/18/87	Sato et al.			
	4,706,664	11/17/87	Snook et al.			
	4,744,803	05/17/88	Kent S. Knaebel			
	4,892,566	01/09/90	Bansal et al.			
	4,925,464	05/15/90	Rabenau et al.			
	4,971,609	11/20/90	Robert A. Pawlos			
	5,002,591	03/26/91	Raymond A. Stanford			
	5,005,570	04/09/91	Warren E. Perkins			
	5,032,150	07/16/91	Kent S. Knaebel			
	5,071,453	12/10/91	Hradek et al.			
	5,112,367	05/12/92	Charles C. Hill			
	5,226,933	07/13/93	Knaebel et al.			
	5,268,021	12/07/93	Hill et al.			
	5,366,541	11/22/94	Hill et al.			

EXAMINER

DATE CONSIDERED

*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
		5,466,134	11/14/95	Shaffer et al.			
		5,474,595	12/12/95	Norman R. McCombs			
		5,495,848	03/05/96	Aylsworth et al.			
		5,558,086	09/24/96	Smith et al.			
		5,593,478	01/14/97	Hill et al.			
		5,603,315	02/18/97	Richard E. Sasso, Jr.			
		5,611,845	03/18/97	William H. Delp, II			
		5,626,131	05/06/97	Chua et al.			
		5,630,411	05/20/97	Russell L. Holscher			
		5,632,612	05/27/97	Robert Shaffer			
		5,658,371	08/19/97	Smolarek et al.			
		5,665,316	09/09/97	Salonia et al.			
		5,697,364	12/16/97	Chua et al.			
		5,730,778	03/24/98	Hill et al.			
		5,735,268	04/07/98	Chua et al.			
		5,752,816	05/19/98	Robert W. Shaffer			
		5,755,224	05/26/98	Good et al.			
		5,759,020	06/02/98	Robert Shaffer			
		5,839,434	11/24/98	Jack Joseph Enterline			
		5,865,174	02/02/99	Gregg M. Kloeppel			
		5,881,725	03/16/99	Hoffman et al.			
		5,890,490	04/06/99	Aylsworth et al.			
		5,906,672	05/25/99	Michaels et al.			
		5,917,135	06/29/99	Michaels et al.			
		5,928,189	07/27/99	Phillips et al.			
		5,979,440	11/09/99	Honkonen et al.			
		6,033,457	03/07/00	William N. Lawless			
		6,050,792	04/18/00	Robert W. Shaffer			

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		6,068,680	05/30/00	Kulish et al.			
		6,129,530	10/10/00	Robert W. Shaffer			
		6,146,447	11/14/00	Sircar et al.			
		6,152,134	11/28/00	Webber et al.			
		6,176,897	01/23/01	Bowie G. Keefer			
		6,186,142	02/13/01	Schmidt et al.			
		6,190,441	02/20/01	Czabala et al.			
		6,192,884	02/27/01	Vann et al.			
		6,220,244	04/24/01	Patrick L. McLaughlin			
		6,269,811	08/07/01	Duff et al.			
		6,311,719	11/06/01	Hill et al.			
		6,346,139	02/12/02	Michael P. Czabala			
		6,348,082	02/19/02	Murdoch et al.			
		6,371,114	04/16/02	Schmidt et al.			
		6,395,065	05/28/02	Murdoch et al.			
		6,427,690	08/06/02	McCombs et al.			
		6,439,864	08/27/02	Robert W. Shaffer			
		6,457,485	10/01/02	Hill et al.			
		6,478,850	11/12/02	John Lee Warren			
		6,497,755	12/24/02	Murdoch et al.			
		6,511,308	01/28/03	Robert W. Shaffer			
		6,532,957	03/18/03	Michael Berthon-Jones			
		6,532,958	03/18/03	Buan et al.			
		6,551,384	04/22/03	Ackley et al.			
		2003/0024531	02/06/03	Kenneth H. Ball			

FOREIGN PATENT DOCUMENTS

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		0 848 981 A1	06/24/98	EPO (Derwent Record)			X	
		0 988 882 A3	03/29/00	EPO				
		WO 01/41900 A2	06/14/01	PCT				

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	

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